



CONTINENTAL

A E R O S P A C E T E C H N O L O G I E S

ENGINE LOG BOOK

Service Information

Consult the Continental web site at <http://www.continental.aero> for engine related news or announcements. The web site contains useful information for Continental engine owners, including service information and illustrated parts catalogs.

If Internet access is not available, contact our Customer Service Department at:
1-888-826-5465 Toll free in the United States or 1-251-436-8299 for International customers

Warranty Information

This product is covered by Continental Aerospace Technologies™ product warranty. To read or download a copy for your records, please visit the Product Warranty page on our web site at: <http://www.continental.aero/services/warranty.aspx> or scan the QR Code to the right to navigate to the page:



Instructions for Continued Airworthiness

For complete access to the engine instructions for Continued Airworthiness, Illustrated Parts Catalogs, Service Documents, Technical Briefs, company news, and upcoming events, please take a few moments to register the serial number of your engine on our web site: <http://www.continental.aero/services/owner-registration.aspx> or scan the QR Code to the right to navigate to the page:



Engine Returns

Return engines for core credit with this log book to:

Continental Aerospace Technologies
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

**Continental Services
Factory Service Center
8600 County Road 32
Fairhope, Alabama 36532 USA**

**USE ONLY FUEL SPECIFIED IN OPERATOR'S
MANUAL OR TYPE CERTIFICATE DATA SHEET
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed:12/12/2023

Test Date:12/12/2023

This engine model TSI0550K2B, serial number 1046537 was manufactured by Continental Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

CONTINENTAL MOTORS, INC.

Form 6012-03 (Rev Sept 2014)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					

wo: M24-989

Engine · page 1 of 1

CAPITAL
FLIGHT

Capital Flight · 3309 Delta Lane · Middleton, Wisconsin 53562 · 1.608.291.3360

N414LE
Flight: 24.3

Continental, TSIO-550-K2, S/N: 1046537
Total Time: 32.3

March 18, 2024

Performed Cirrus Maintenance Program CMX Delivery Quality Check II (Initial 25 Hr. Inspection). Performed 25 Hr. inspection of engine IAW Cirrus AMM 5-20 and Continental Maintenance Manual. Performed borescope inspection of cylinders IAW Continental Maintenance Manual. No discrepancies noted. Drained engine oil and serviced with 8 quarts of Phillips 20W50XC. Replaced oil filter with new AA48108-2. Performed particle inspection on filter with no discrepancies noted. Oil sample taken for analysis by Blackstone Labs. Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Continental Maintenance Manual.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Capital Flight under work order: M24-989.

Allan O. Checky Jr. A&P, IA 395828185

wo: M25-001

Engine · page 1 of 1

CAPITAL
FLIGHT

Capital Flight · 3309 Delta Lane · Middleton, Wisconsin 53562 · 1.608.291.3360

N414LE
Flight: 48.9

Continental, S/N: 1046537
Total Time: 65.6

April 08, 2024

Performed Cirrus Maintenance Program CMX In-Service Inspection I (50 Hr. Inspection). Performed engine operational and function check IAW Cirrus AMM 5-30. Performed engine 50 Hr. inspection IAW Cirrus AMM 5-20 and Continental Maintenance Manual. Drained engine oil and serviced with 8 quarts Phillips 20W50XC. Replaced oil filter with new AA48108-2. Performed particle inspection on filter with no discrepancies noted. Oil sample taken for analysis by Blackstone Labs. Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Continental Maintenance Manual.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Capital Flight under work order: M25-001.

Allan O. Checky Jr. A&P, IA 395828185


Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carrie

wo: M24-1029

Engine - page 1 of 1


Capital Flight · 3309 Delta Lane · Middleton, Wisconsin 53562 · 1.608.291.3360

N414LE
Flight: 96.9

Continental, S/N: 1046537
Total Time: 125.0

May 16, 2024

1. Performed Cirrus Maintenance Program CMX In-Service Inspection II (100 Hr. Inspection). Performed engine operation and function check IAW Cirrus AMM 5-30. Performed engine 100 Hr. inspection IAW Cirrus AMM 5-20 and Continental Maintenance Manual. Drained engine oil and serviced with 8 quarts Phillips 20W50XC. Replaced oil filter with new AA48108-2. Performed particle inspection on filter, no discrepancies noted. Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Continental Maintenance Manual. Performed cylinder differential leak down tests and borescope inspections with no discrepancies noted. Leak down results #1)76/80, #2)74/80, #3)74/80, #4)74/80, #5)70/80, #6)76/80. Magneto to engine timing reset. Spark plugs serviced and reinstalled with 12 new gaskets #M674. Fuel injectors removed, cleaned, inspected and reinstalled using 12 new o-rings #630979-9, 6 copper washers #X1473, and 6 rubber washers #640612.

2. Removed prop governor #21285-001 serial #G8790NJ and installed new # 21285-001 (S-1-44F Rev. B) serial #G8941NJ using new gasket #21285-101 IAW Cirrus AMM 61-20.


3. Performed fuel flow setup IAW Cirrus AMM 73.20.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Capital Flight under work order: M24-1029.

Allan O. Checky Jr. A&P, IA 395828185

wo: M24-1052

Engine - page 1 of 1


Capital Flight · 3309 Delta Lane · Middleton, Wisconsin 53562 · 1.608.291.3360

N414LE
Flight: 145.4

Continental, S/N: 1046537
Total Time: 185.8

June 21, 2024

Performed Cirrus Maintenance Program CMX In-Service Inspection I (50 Hr. Inspection). Performed engine operational and function check IAW Cirrus AMM 5-30. Performed engine 50 Hr. inspection IAW Cirrus AMM 5-20 and Continental Maintenance Manual. Drained engine oil and serviced with 8 quarts Phillips 20W50XC. Replaced oil filter with new AA48108-2. Performed particle inspection on filter with no discrepancies noted. Oil sample taken for analysis by Blackstone Labs. Run up and leak checks performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Continental Maintenance Manual.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Capital Flight under work order: M24-1052.


Allan O. Checky Jr. A&P, IA 395828185

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carrie

MAKE: Cirrus
MODEL: SR22T
S/N: 9794
REG. NO: N414LE
ENGINE MODEL: TS10-550-K
ENGINE SN: 1046537



CIRRUS

Cirrus Factory Service Center
Repair Station No. 9B0R988C
114 Cirrus Landing
Alcoa TN 37701

W/O #: KTYS40329-06-2024
DATE: 06-30-2024
ENG TT: 155.3
Hobbs: 197.9

Engine Entries
6 Performed engine operational and function check IAW Cirrus AMM 5-30.
13 Safety cabled oil filter IAW Cirrus SR22T IICAW AMM 12-10

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS 9B0R988C.

DATE: 06-30-2024
SIGNED: 
Scott Woody
Repair Station No. 9B0R988C

WORK ORDER: KTYS40329-06-2024
Printed by EBIS (EBISCloud.com)

**Thoroughbred Aviation Maintenance, Inc.****FAA CRS# R81R199Y****Powerplant**

Date:	3/14/2025	WO:	F25038	AC Type:	SR22T		
AC REG:	N414LE	AC SN:	9794	Tach:	169	Hobbs	219.4
Eng. Model:	TSIO-550-K	Eng SN:	1046537	Eng TT:	169	Eng TSO:	N/A
Prop Model:	4C1-F650A1	Prop SN:	TM587	Prop TT:	169	Prop TSO:	N/A

- 1 Performed Annual/ 100 hr. inspection and seving LAW Continental AMM
- 2 Compression tested engine, M/O 42/80: #1:72, #2:72, #3:73, #4:72, #5:71, #6:76.
- 3 Drained oil. cut filter, some carbon noted, install & torqued new oil filter. Serviced with 8qrts. Phillips XC 20W50 P/N: AA48108-2
- 4 Removed, inspected, tested, installed with torqued specs spark plugs with new gaskets. PN: M674
- 5 Removed and replaced with new B2 spark plug P/N: URHB32E
- 6 C/W annual/100hr. Lubrication scheduele
- 7 All AD's are up to date
- 8 Performed post maintenance run up and leak check good.

END

I certify this Powerplant has been inspected/repared/serviced in accordance with current manufactures maintenance manuals & applicable FARs and was found to be in Airworthy Condition.

MAINTENANCE RELEASE

The aircraft/article identified was repaired/serviced/inspected in accordance with current FAA regulations and was found airworthy for return to service. Pertinent details of the repair/service/inspection are on file at this agency under **WO# F25038**

Signed:**For CRS: R81R199Y****Date: 3/14/2025**